L Number	Hits		DB	Time stamp
1	4	6572981.pn. or 6565672.pn. or 6340500.pn.	USPAT;	2004/10/21 08:
5	1 _	or 6482469.pn.	US-PGPUB	, =0, == 00.
)	18	1 (-r or ob.as. or idential and	USPAT;	2004/10/21 08:
		electric).as.) and ((peen\$3 or recrystals9	US-PGPUB	0:
		or (re adj crystal\$7)) with ((aluminide or	100 10101	
_	1	bond) near2 (coat\$3 or film or laver)))]	
5	18	(Spitsberg.in. or GE.as. or (General adj	USPAT;	2004/10/01 ==
		electric).as.) and ((peen\$3 or recrystal\$9		2004/10/21 08:
	·	or (re adj crystal\$7)) with ((aluminide or	US-PGPUB	r.
		bond or NiAl) near2 (coat\$3 or film or	1	
		layer)))]	1
1	3	/Critchens and CR		
	1		EPO; JPO;	2004/10/21 08:
		electric)) and ((peen\$3 or recrystal\$9 or	DERWENT;	
	Í	(re adj crystal\$7)) with ((aluminide or	IBM TDB	f
†	2500	bond) near2 (coat\$3 or film or layer)))	-	1
'	3580	(427/250,252,255.11,255.15,255.7,596).CCLs.	USPAT;	2004/10/21 08:
	Í		US-PGPUB	2004/10/21 08:
1	1063	(427/290,355,367).CCLS.	USPAT;	2004/10/01 00
_			US-PGPUB	2004/10/21 08:
0	3462	(427/372.2,383.1,383.3,383.7,405).CCLS.		0004/00/
]	-,,000.0,000.1,400).CCLD.	USPAT;	2004/10/21 08:
1	315	(72/53).CCLS.	US-PGPUB	
	515	(/ - / - / - / - / - / - / - / - /	USPAT;	2004/10/21 08:5
2	-1376	(A16/2A1D 2A1D) GGTG	US-PGPUB	
_	13/0	(416/241R,241B).CCLS.	USPAT;	2004/10/21 08:5
3	0242	///07/050 050 055 11	US-PGPUB	
J	,9343	((427/250,252,255.11,255.15,255.7,596).CCLS	USPAT;	2004/10/21 08:5
	1	((42//290,355,367).CCLS.)	US-PGPUB	, 10, 21 00:
		((427/372.2,383.1,383.3,383.7,405).CCLS.)	3.02	
		((72/53).CCLS.) $((416/241R.241B).CCLS.)$		1
4	4	((416/241R,241B).CCLS.) and	USPAT;	2004/10/01 00 -
		((72/53).CCLS.)	HC-DCDHD	2004/10/21 08:5
5	3	(((427/250,252,255.11,255.15,255.7,596).CCL	US-PGPUB	00004455
]	or .		2004/10/21 08:5
	1	((427/372.2,383.1,383.3,383.7,405).CCLS.))	US-PGPUB	1
6	58	4ma2/532/66LSCCLand (TBC or turbine or		
	33	airfoil or aluminide or	USPAT;	2004/10/21 08:5
		airfoil or aluminide or (bond adj (coat\$3	US-PGPUB	1
7	27	or film or layer)))		
	41	(((427/250,252,255.11,255.15,255.7,596).CCL	USPAT;	2004/10/21 09:0
		(\\\42\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	US-PGPUB	
		((427/372.2,383.1,383.3,383.7,405).CCLS.)		
		((/2/53).CCLS.) $((416/241R.241R)$ $CCLS.)$		
	,	and ((peen\$3 or rotopeen\$3 or shotneen\$3		
		or recrystal \$9 or (re adi crystal \$7)) with		1
	i I	((aluminide or bond or NiA) or overlay or		
	1	diffusion) near3 (coat\$3 or film or		
3	61	through the or of mental and the	HCDAM -	0004/
	İ		USPAT;	2004/10/21 09:0
	1	superalloy or (super adj alloy)) and	US-PGPUB	
		(meens or reteneens		,
	İ	((peen\$3 or rotopeen\$3 or shotpeen\$3 or		
1		recrystal\$9 or (re adj crystal\$7)) with		
,	ļ	((aluminide or bond or NiAl or overlay or		
ĺ	1	diffusion) near3 (coat\$3 or film or		
	1	layer)))		
	37	((turbine or airfoil or TBC or (thermal	USPAT;	2004/10/21 09:0
	1.	ad] barrier adj coat\$3) or engine or	US-PGPUB	2004/10/21 09:05
		superalloy or (super adj allov)) and	SO IGEOD	•
		((peen\$3 or rotopeen\$3 or shotneen\$3 or	İ	
	1	recrystal\$9 or (re adj crystal\$7)) with		
		((aluminide or bond or NiAl or overlay or		
	· 1,	diffusion) near3 (coat\$3 or film or	ľ	
ĺ		layer)))) not	ł	
1	-	(////27/250 252 255 11 255 15 555		
	j	((((427/250,252,255.11,255.15,255.7,596).cc	5.)	
	1	((42//290,355,36/).CCLS.)		
	J	((427/372.2,383.1,383.3,383.7,405).CCLS.)	ļ	*
		((/2/53).CCLS.) $((416/241R.241R)$ CCLS.)	İ	
	į č	and ((peen\$3 or rotopeen\$3 or shotneen\$3	1	
	0	or recrystal\$9 or (re adi crystal\$7)) with	ļ	
		(aluminide or bond or NiAl or overlay or	[
		diffusion) near3 (coat\$3 or film or		

20		5 (turbine or airfoil or TBC or (thermal adj	USOCR	2004/10/21 09:06
		Darrier adj coat\$3) or engine or		200721 05.00
		superalloy or (super adj alloy)) and ((peen\$3 or rotopeen\$3 or shotpeen\$3 or	ł	
		recrystal\$9 or (re adj crystal\$7)) with		
		((aluminide or bond or NiAl or overlay or		
	İ	diffusion) near3 (coat\$3 or film or		
21	· .	(layer)))		
21	}	((peen\$3 or rotopeen\$3 or shotpeen\$3 or	USPAT;	2004/10/21 09:09
	1	recrystal\$9 or (re adj crystal\$7)) with	US-PGPUB	
22	1	((diffusion near2 aluminide)))		İ
]	((peen\$3 or rotopeen\$3 or shotpeen\$3 or recrystal\$9 or (re adj crystal\$7)) with	EPO; JPO;	2004/10/21 09:09
		((diffusion near2 aluminide)))	DERWENT;	1
23	13	3 ((peen\$3 or rotopeen\$3 or shotpeen\$3 or	IBM_TDB USPAT;	2004/10/04 00 00
ĺ		recrystal\$9 or (re adj crystal\$7)) same	US-PGPUB	2004/10/21 09:10
24		((Qlffusion adi aluminide)))	OB TOPOB	
24	8	(((peen\$3 or rotopeen\$3 or shotpeen\$3 or	USPAT;	2004/10/21 09:10
		recrystal\$9 or (re adj crystal\$7)) same	US-PGPUB	2012, 20, 21 03:10
1	1	((diffusion adj aluminide)))) not (((peen\$3 or rotopeen\$3 or shotpeen\$3 or		ĺ
		recrystal\$9 or (re adj crystal\$7)) with		ŀ
		((diffusion adj aluminide))))	1	
25	3	((cold adj work\$3) same ((diffusion adj	USPAT;	2004/12/24
26		aluminide)))	US-PGPUB	2004/10/21 09:11
26	7	I tourner of difficult of TBC or (thermal add	USPAT;	2004/10/21 09:12
		Darrier add coat\$3) or engine or	US-PGPUB	2004/10/21 09:12
		superalloy or (super adj alloy)) and		
1		((cold adj work\$3) with ((aluminide or		1
1	1	bond or NiAl or overlay or diffusion) near3 (coat\$3 or film or layer)))		
27	6	(((aluminide or NiAl) near2 (bond or		
}	ļ	diffusion) near2 (coat\$3 or film or	USPAT;	2004/10/21 09:14
ļ		(layer)) with (heat\$3 or furnace or	US-PGPUB	
		anneal\$3)) same (recrystal\$8 or (lnew or	}	
	İ	equiax\$/) near2 grain) or (re adi]	
28		Crystal \$8))	J	
20	0	(((aluminide or NiAl) near2 (bond or	EPO; JPO;	2004/10/21 09:14
İ		diffusion) near2 (coat\$3 or film or	DERWENT;	33.14
	1	layer)) with (heat\$3 or furnace or anneal\$3)) same (recrystal\$8 or ((new or	IBM_TDB	1
'		equiax\$7) near2 grain) or (re adj		
		[crystal\$8))		1
29	0	(((aluminide or NiAl) near2 (bond or	USOCR	2004/10/01 05
	İ	dlffusion) near2 (coat\$3 or film or	OSOCK	2004/10/21 09:14
		layer)) with (recrystal\$8 or (re adi		
30	1	(Crystalse)))		
	4	(((aluminide or NiAl) near2 (bond or	USPAT;	2004/10/21 09:15
	1	diffusion) near2 (coat\$3 or film or	US-PGPUB	33,25,22 53:13
	[layer)) with (recrystal\$8 or (re adj crystal\$8)))		1
31	12	(turbine or airfoil or TBC or (thermal adj		
		barrier adj coat\$3) or engine or	EPO; JPO;	2004/10/21 09:16
-	!	superalloy or (super adi alloy)) and	DERWENT; IBM TDB	1
		((peen\$3 or rotopeen\$3 or shotpeen\$3 or	TPM_LDR	
[recrystals9 or (re adi crystals7)) with		1
	!	((dluminide or bond or NiAl or overlay or)		1
		diffusion) near3 (coat\$3 or film or		
32	23	layer)))		
	23	(((aluminide or NiAl) near2 (bond or diffusion) near2 (coat\$3 or film or	EPO; JPO;	2004/10/21 09:16
	1	lavor) with /harton c	DERWENT;	
	- 1	anneal\$3))	IBM_TDB	
33	2	((peen\$3 or rotopeen\$3 or shotpeen\$3 or	EDO. TOO	
	ĺ	recrystally or (re add crystals7)) same	EPO; JPO; DERWENT;	2004/10/21 09:17
	_	((diffusion adj aluminide)))	IBM TDB	
13/1	0 1	((COld adi works)) same ((a) se		
34	_	The state of the s	EPO; JPO:	2004/10/21 00.17
34	_		EPO; JPO; DERWENT;	2004/10/21 09:17

35 (turbine or airfoil or TBC or (thermal adj barrier adj coat\$3) or engine or superalloy or (super adj alloy)) and ((cold adj work\$3) same ((aluminide or bond or NiAl or overlay or diffusion) near3 (coat\$3 or film or layer))) 36 292 (427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) 37 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) 38 19 (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or notopeen\$3 or shotpeen\$3 or shotpeen\$3 or notopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or sh	9:18 9:18 9:20 9:30
superalloy or (super adj alloy)) and ((cold adj work\$3) same ((aluminide or bond or NiAl or overlay or diffusion) near3 (coat\$3 or film or layer))) 36 292 (427/290).ccls. 37 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or use of the mala or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or rot	9:18 9:18 9:20 9:30
36 292 ((427/290).ccls.) and ((aluminide or bond) near2 (coat\$3 or film or layer)) 37 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) 38 19 (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or film or layer)) with (coat\$3 or film or layer))	9:18 9:20 9:30
Sond or NiAl or overlay or diffusion) near3 (coat\$3 or film or layer))) (427/290).ccls. 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen	9:18 9:20 9:30
near3 (coat\$3 or film or layer))) (427/290).ccls. 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or sho	9:18 9:20 9:30
292 (427/290).ccls. 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or s	9:18 9:20 9:30
37 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3	9:18 9:20 9:30
37 20 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) 38 39 39 40 ((427/290).ccls.) and ((aluminide or NiAl or bond) near2 (coat\$3 or film or layer)) (TBC or turbine or engine or airfoil or ((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (grain near2 (diameter or size or small))) (TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shot peen\$3 or rotopeen\$3 or shot or flatten\$3 or recrystal\$9)) ((TBC or turbine or engine or airfoil or (thermal adj barrier adj coat\$3)) and (((aluminide or bond or NiAl or diffusion) near2 (coat\$3 or film or layer)) with (peen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or shotpeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or rotopeen\$3 or roto	9:18 9:20 9:30
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